



## Integrated Individual Flap and Pitch Control for active load alleviation

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**References:** [1] Barlas, T. K., and G. van Kuik. "State of the Art and Prospectives of Smart Rotor Control for Wind Turbines." *Journal of Physics: Conference Series* 75, no. 1 (2007): 012080 (20 pp.). [2] Bossanyi, E. A. "Individual Blade Pitch Control for Load Reduction." *Wind Energy* 6, no. 2 (2003): 119–28. [3] Bergami, L. "Adaptive Trailing Edge Flaps for Active Load Alleviation in a Smart Rotor Configuration." Ph.D. Thesis, DTU Wind Energy PhD-0020(EN), 2013. [4] HAWCstab2 Website: <http://hawcstab2.vindenergi.dtu.dk/> [5] Hansen, M. H. "Aeroelastic Properties of Backward Swept Blades." In *9th AIAA Aerospace Sciences Meeting*, Vol. 2011–260. Orlando, FL: AIAA, 2011. [6] Bak, C., F. Zahle, R. Bitsche, T. Kim, A. Yde, L. Henriksen, and M. H. Hansen. *Description of the DTU 10 MW Reference Wind Turbine*. Submitted to Wind Energy, July 2013. [7] International Electrotechnical Commission. *Standard IEC 61400-1: Wind Turbines Part 1: Design Requirements*. Rev. 3, 2005.